EQUIPMENT LIST "A" EQUIPMENT LIST "B" A. ÉQUIPMENT TO BE SUPPLIED BY THE SHA THIS PORTION OF THE PROJECT INVOLVES THE RECONSTRUCTION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 355(WISCONSIN AVENUE) AND WOODMONT AVENUE/ LELAND STREET B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR CATEGORY CODE YTITMAUD DESCRIPTION IN MONTGOMERY COUNTY, MARYLAND, MD 355 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION. CATEGORY CODE QUANTITY, 900000 DESCRIPTION CONTROLLER CABINET, SIZE "S" W/CTRL, VIDEO INT. 1-8 CAMERAS 1 EACH INTERSECTION OPERATION 120500 1 EACH MAINTENANCE OF TRAFFIC 973022 SHEET ALUMINUM SIGNS TO CONSIST OF (GROUND MOUNT): 10 S.F. THE INTERSECTION OPERATES IN A NEMA FIVE-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH THE MD 355 203030 10 G.Y. TEST PIT EXCAVATION APPROACHES OPERATING CONCURRENTLY AND THE WOODMONT AVENUE / LELAND STREET APPROACHES - 2 EACH . R4-7 (24 IN. x 30 IN.) - GROUND MOUNT OPERATING CONCURRENTLY. 585621 565 L.F. 12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT EXCLUSIVE/PERMISSIVE LEFT-TURN PHASING IS PROVIDED FOR NORTHBOUND MD 355 APPROACH. MARKING LINES 973023 67 S.F. SHEET ALUMINUM SIGNS TO CONSIST OF (POLE MOUNT) : 585625 150 L.F. A RIGHT-TURN OVERLAP PHASE IS PROVIDED FOR THE EASTBOUND WOODMONT AVENUE APPROACH. 24 INCH HEAT APPLIED WHITE PERMANENT PREFORMED R3-5 (30 IN.  $\times$  36 IN.) - MAST ARM MOUNT THERMOPLASTIC PAVEMENT MARKINGS AN ALTERNATE PEDESTRIAN PHASE IS PROVIDED ACROSS BOTH LEGS OF MD 355 AND PEDESTRIAN INDICATIONS ARE PROVIDED ACROSS THE WOODMONT AVENUE AND LELAND STREET APPROACHES. 801004 R3-5(R) (30 IN.  $\times$  36 IN.) - MAST ARM MOUNT 22 C.Y. CONCRETE FOR SIGNAL FOUNDATION 801104 R3-18(1) MOD (30 IN.  $\times$  42 IN.) - MAST ARM MOUNT 30 L.F. WOOD SIGN SUPPORTS 4 INCH X 4 INCH TYPICAL MESSAGES FOR ACCESSIBLE PED SIGNALS R3-5(L) (30 IN.  $\times$  36 IN.) - MAST ARM MOUNT 802145 1 EACH ADJUST EXISTING HANDHOLE MD 355 (WISCONSIN AVENUE) AND WOODMONT AVE/LELAND ST - NORTH LEG - 2 EACH 802501 M1-5(3) (78 IN  $\times$  24 IN) - MAST ARM MOUNT 600 L.F. NO. 6 AWG STRANDED BARE COPPER GROUND WIRE R10-3(1) SIGN (9 IN.  $\times$  15 IN.) TO READ "PUSHBUTTON TO CROSS WISCONSIN AVENUE" - 4 EACH 805125 2 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED 180 L.F. STREETS AT 90 DEGREES 170 L.F. WAIT: "WAIT TO CROSS WISCONSIN AT WOODMONT AND LELAND, WAIT." \* 805140 4 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED R10-3(1) SIGN (9 IN. x 15 IN.) TO READ "PUSHBUTTON 805155 TO CROSS WOODMONT LANE" 275 L.F. WALK: RAPID TICK 4 INCH SCHEDULE 80 RIGID PVC CONDUIT-SLOTTED - 2 EACH R10-3(1) SIGN (9 IN. x 15 IN.) TO READ "PUSHBUTTON 807202 1 EACH METERED SERVICE PEDESTAL MD 355 (WISCONSIN AVENUE) AND WOODMONT AVE/LELAND ST - SOUTH LEG TO CROSS LELAND STREET" 810022 120 L.F. ELECTRICAL CABLE 1-CONDUCTOR NO. 8 AWG-THHN/THWN STREETS AT 90 DEGREES 811001 6 EACH FURNISH AND INSTALL ELECTRICAL HANDHOLE WAIT: "WAIT TO CROSS WISCONSIN AT WOODMONT AND LELAND, WAIT." \* 813014 10 S.F. INSTALL GROUND MOUNTED SIGN WALK: RAPID TICK 813015 133 S.F. INSTALL OVERHEAD SIGN LELAND STREET AT MD 355 (WISCONSIN AVENUE) - EAST LEG 818004 8 EACH 10 FOOT BREAKAWAY PEDESTAL POLE MONTGOMERY COUNTY STREETS AT 90 DEGREES 818030 1 EACH STEEL POLE WITH A SINGLE 38 FOOT MAST ARM WAIT: "WAIT TO CROSS LELAND AT WISCONSIN, WAIT." \* 818036 3 EACH STEEL POLE WITH A SINGLE 50 FOOT MAST ARM C. EQUIPMENT TO BE SUPPLIED BY MONTGOMERY COUNTY WALK: RAPID TICK 832018 100 L.F. CABLE - 1 CONDUCTOR, NO 2 AWG, TYPE USE, 600V QUANTITY DESCRIPTION WOODMONT AT MD 355 (WISCONSIN AVENUE), WAIT. "\* - WEST LEG 837001 8 EACH GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH 1 EACH MONTGOMERY COUNTY SPLICE CABINET - POLE MOUNT STREETS AT 90 DEGREES 860284 39 EACH 12 IN. LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION WAIT: "WAIT TO CROSS WOODMONT AT WISCONSIN, WAIT." 860290 7 EACH CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE WALK: RAPID TICK 861105 1225 L.F. ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG) 861107 ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG) 1375 L.F. \* MESSAGE USED IF DISTANCE FROM NEAREST PUSHBUTTON FOR PERPENDICULAR CROSSING IS < 10' 861108 1750 L.F. ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG) NOTE: MESSAGES FOR INTERSECTION CONFIGURATIONS, VARYING FROM THE ABOVE ARE TO BE APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY. 871041 1 EACH INSTALL AUXILARY CABINET WITH TERMINAL STRIP - POLE MOUNT 871202 1 EACH INSTALL CONTROLLER AND CABINET - BASE MOUNT 800000 1 EACH REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT CONTROLLER REQUIREMENTS EQUIPMENT LIST "C" 800000 8 EACH 16 INCH COUNTDOWN PEDESTRIAN SIGNAL HEAD INSTALL A FULL-TRAFFIC-ACTUATED, EIGHT-PHASE CONTROLLER WITH VIDEO INTERFACE EQUIPMENT (1-4 CAMERAS) AND SYSTEM PACKAGE HOUSED IN A NEMA SIZE "S" BASE MOUNTED CABINET. 800000 8 EACH AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA 800000 1 EACH 2-WIRE CENTRAL CONTROL UNIT ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR. DISCONNECT AND PULL BACK EXISTING ELECTRICAL CABLE 800000 225 L.F. 800000 1 EACH VIDEO DETECTION CAMERA AND CABLE MAINTENANCE OF TRAFFIC 4 EACH PAINT SIGNAL AND MAST ARM POLE FEDERAL BROWN NO. 595a-20040 800000 PAINT PEDESTAL POLE FEDERAL BROWN NO. 595a-20040 8 EACH THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT. ADDITIONAL TRAFFIC CONTROL STANDARDS MAY BE USED AS DIRECTED BY THE ENGINEER. STANDARD NO. MD-104.04-02 (SHOULDER WORK) STANDARD NO. MD-104.04-14 (LEFT TURN BAY CLOSURE) STANDARD NO. MD-104.04-04 (LEFT LANE CLOSURE) STANDARD NO. MD-104.04-16 (INTERSECTION LEFT LANE, TURN BAY) STANDARD NO. MD-104.04-06 (RIGHT LANE CLOSURE) STANDARD NO. MD-104.04-08 (CENTER LANE CLOSURE) PROJECT CONTACTS THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS: MS. CORREN JOHNSON CHIEF, TRAFFIC OPERATIONS DIVISION MR. KAMAL HAMUD TEAM LEADER, TRAFFIC SIGNALS PHONE: (410) 787-7630 MONTGOMERY COUNTY DOT -DIVISION OF TRAFFIC ENGINEERING AND OPERATIONS MR. TOM FOUNTAIN PHONE: (240) 777-8761 ASSISTANT DISTRICT ENGINEER - MAINTENANCE PHONE: (301) 513-7304 MR. BOB RICKETTS STATE OF MARYLAND MONTGOMERY COUNTY SIGNAL SHOP PHONE: (240) 876-3681 MR. VICTOR GRAFTON DISTRICT UTILITY ENGINEER PHONE: (301) 513-7350 DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION MR. ROBERT SNYDER - OOTS OFFICE OF TRAFFIC & SAFETY ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS PHONE: (410) 787-7630 TRAFFIC ENGINEERING DESIGN DIVISION MS. ANYESHA MOOKHERJEE ASSISTANT DISTRICT ENGINEER -TRAFFIC (MONTGOMERY) MD 355 (Wisconsin Avenue) at Woodmont Avenue /Leland Street MR. EDWARD RODENHIZER - DOTS PHONE: (301) 513-7404 CHIEF, SIGNAL OPERATIONS SECTION PHONE: (410) 787-7670 Bethesda; Maryland TRAFFIC SIGNALIZATION PLAN SCALE NONE ADVERTISED DATE 305/2013 CONTRACT NO. MO1175177 DESIGNED BY S. Bloss COUNTY \_\_\_\_\_ Montgomery WHITMAN, REQUARDT

& ASSOCIATES, LLP

801 South Caroline Street, Baltimore, Maryland 21231

PROJECT DESCRIPTION

PLOTTED: March 18, 2013 FILE: N:\31669-235\CADD\pSG-P003\_md355.dgn DRAWN BY

S. Bloss

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CHECKED BY \_\_\_\_\_N. Leary \_\_\_\_

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